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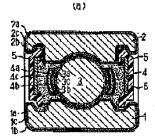
NISHIO KAZUO

(54) CORROSION RESISTANT BEARING

(57) Abstract:

PURPOSE: To improve durability of an anticorrosion bearing by adding corrosion resistance to it and preventing deterioration of lubricating performance.

CONSTITUTION: This deep groove ball bearing is constituted of an inner ring 1, an outer ring 2, a plurality of balls 3 interposed between the inner and outer rings 1, 2, a retainer 4 holding the balls 4, rubber sheets 5 mounted on both end parts of the outer ring 2, and a solid lubrication composite 6 made of mixture of super highpolymer polyolefin and lubricating grease filled in the bearing. The inner ring 1, the outer ring 2, and the balls 3 are made of SUJ2 material, the retainer 4 is made of a cold rolled steel sheet, and they are respectively provided with the lowermost layers of zinc-nickel alloy layer 1a, 2a, 3a, 4a covering the surface of base materials, the uppermost layers of chromic acid treated layer 1 b, 2b, 3b, 4b, and the intermediate layers of pure zinc layer 1c, 2c, 3c, 4c interposed between both layers.



(b)

